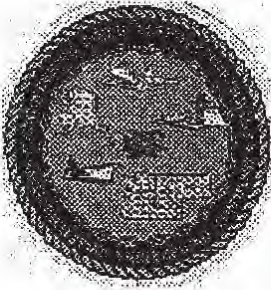


STATEMENT OF WORK

Contract Number

Date: 27 October 1998 Rev: Orig



ENGINEERING FIELD ACTIVITY, NORTHWEST
NAVAL FACILITIES ENGINEERING COMMAND
POULSBRO, WASHINGTON

1. BACKGROUND

The Bremerton Auto Wrecking Yard Landfill received public waste and demolition debris from 1968 until it closed in the late 1980's. The landfill received waste from Puget Sound Naval Shipyard from a 1968 refuse disposal contract. It is estimated that between 40 to 60 percent of the landfill debris came from the 1968 contract with Puget Sound Naval Shipyard.

This landfill is located 1.5 miles west of Gorst along the southeast side of State Highway 3. The landfill was created by filling in a small intermittent stream gully, which was created by Gorst Creek. A culvert was placed under the landfill to carry the flow of Gorst Creek. The landfill is between 6 to 10 acres in size. Currently, the Airport Auto Wrecking is located directly adjacent to the landfill.

During the winter of 1997, the north face of the landfill washed into the Gorst Creek ravine exposing garbage and debris and endangered State Highway 3 down stream. During inspection of State Highway 3, the Washington State Department of Transportation discovered the slide and notified the Department of Ecology (Ecology).

Ecology issued an Early Notice Letter (#N-18-5052-000), dated January 5, 1998, to the Department of Navy (Navy) in regards to the Bremerton Auto Wrecking Yard Landfill. This property has been added to the Ecology's list of known or suspected contaminated sites as being possibly contaminated by hazardous substances.

The Navy as a major contributor to this landfill, is a potentially responsible party, under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

2. OBJECTIVE

The objective of this Contract Task Order is to develop a Site Hazard Assessment (SHA) for the Bremerton Auto Wrecking Yard Landfill. The Washington Department of Ecology SHA process evaluates if actual or potential environmental and public health hazards through site-specific investigations has occurred and applies the Washington Ranking method to allow the Department of Ecology to rank this site.

3. Description of Tasks

This contract task order is broken down into four different tasks. Since a private citizen owns the Bremerton Auto Wrecking Yard Landfill, the contractor does not have free access to the property for the work performed in task 3.3. The contractor will need to coordinate all access to the landfill with the Navy. Access will be between 9:00 a.m. to 5:00 p.m. In addition, access to the property is via an easement on property currently occupied by Airport Auto Wrecking Yard. The contractor will provide Engineering Field Activity, Northwest, with ten working days notice prior to starting fieldwork with an estimate of the duration of fieldwork.

3.1 Develop of a Sampling and Analysis plan:

Develop a Sampling and Analysis plan (SAP) for the Bremerton Auto Wrecking Yard Landfill to allow the site to be scored under the WARM system. Both the Navy and Ecology will review and comment on the plan. Observations and environmental information collected during the sample event shall be completed on the Site Hazard Assessment Data Collection Summary Sheets. The sampling plan developed shall contain, but is not limited to the following:

Soil sampling:

A total of ten samples will be collected for the soil sampling. Two samples will be collected upstream and downstream of the landfill in Gorst Creek ravine. Two samples will be collected on the forward and backside of the landfill. The remaining samples will be collected on the top of the landfill.

The samples will be analyzed for the following:

- Total Priority Pollutant Metals (EPA Method 6010/7000)
- TCLP PP Metals (EPA Methods 1311/6000/7000)
- Mercury (USEPA Method 6020)
- Total Petroleum Hydrocarbons (WSDOE Method WTPH-G Modified)
- TPH-Diesel (WTPH-D Modified)
- PCB (EPA Method SW-846)

Groundwater sampling:

The contractor shall identify existing groundwater wells near the landfill for possible groundwater testing. The contractor shall investigate to determine if groundwater sample results from Kistap County's Department of Health could be obtained for inclusion in this SHA. New ground water wells will not be installed as part of this task order.

Surface water:

Surface water from Gorst Creek, a seasonal creek, was collected by HongWest & Associates Inc. The sample results, up stream and downstream of the landfill will be provided to the contractor and used in the SHA.

The SAP shall also include a plan for surveying the subject parcel of land (the exact property boundary address of landfill property, Kitsap County Tax Assessor Parcel No. D-012301-4-022-1005, Section 1 T23N R1W NE¼ of SE¼, known as the Bremerton Auto Wrecking Landfill) is unknown and numerous vehicles from the wrecking yard could be located within the property boundary. The contractor shall resurvey the boundaries for the landfill, establish monuments for further reference points, and provide markers for establishing the easement for access to the landfill and the boundaries of the landfill property.

3.2 Develop a Health and Safety Plan:

Develop a Health and Safety Plan. It should be noted that waste is spread on the ground. The Navy will review and comment on the plan.

3.3 Sampling and Analysis

Upon approval of both task 3.1 and task 3.2, the contractor shall sample in accordance with the approved sampling and analysis plan. As required by Model Control Toxics Act, split samples will be taken and provided to the owners of the landfill upon request. The contractor shall develop a photo log of the site.

3.4 Report

A report will be generated containing the sample results will be provided to both the Navy and Ecology for review and comment. The samples will be compared to Model Toxics Control Act Method A for Soil and Method B for groundwater and surface water.

4. SCHEDULE OF EVENTS AND DELIVERABLES

Deliverables	Task	Quantity	Completion Schedule *
Sampling and Analysis Plan	3.1	2	45 days
Health and Safety Plan	3.2	2	45 days
Site Hazard Assessment Report	3.4	2	180 days

* Days from award of the contract

6. POINT OF CONTACT:

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